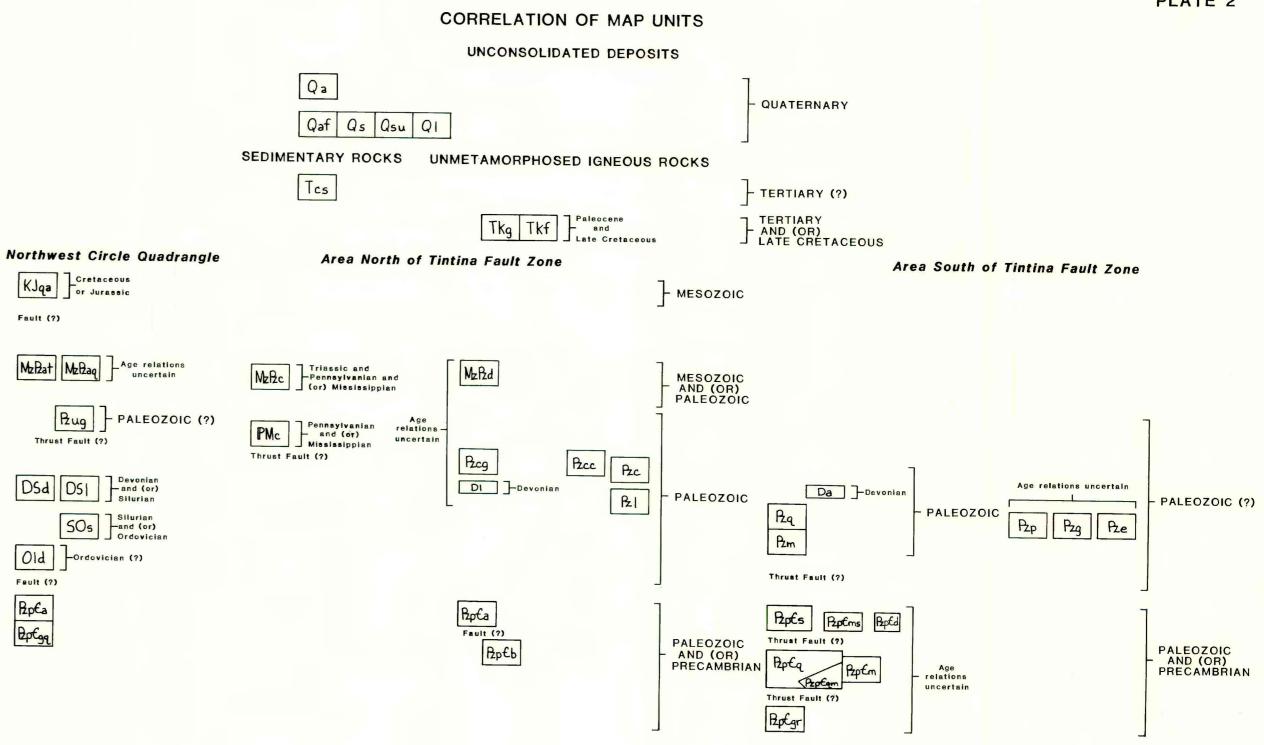
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PLATE 2



DEFINITION OF MAP UNITS UNCONSOLIDATED DEPOSITS Qa Alluvium and colluvium Qsu Silt, undifferentiated and organic material SEDIMENTARY ROCKS Tcs Conglomerate and sandstone UNMETAMORPHOSED IGNEOUS ROCKS TKg Granite TKf Felsic igneous rock NORTHWEST CIRCLE QUADRANGLE KJqa Quartzite, argillite, conglomerate, and hornfels EXPLANATION OF SYMBOLS MzPzat Argillite, tuff, quartzite, and conglomerate MzPzaq Argillite and quartzite Pzug Ultramafic and mafic rocks and greenstone Approximately located, and inferred DSd Dolomite and argillite DSI Limestone, dolomite, and shale Sos Siltstone, dolomite, chert, and mafic igneous rocks Old Livengood Dome(?) Chert Dashed where existence or kind of fault uncertain or where approximately located; dotted beneath covering deposits; arrows indicate apparent direction of offset Pzp€a Argillite, grit, and quartzite PzpCgq Grit, quartzite, and argillite U, upthrown side D, downthrown side AREA NORTH OF TINTINA FAULT ZONE MzPzc Circle Volcanics and associated rocks PMc Chert, argillite, and quartzite \_\_\_\_ MzPzd Diorite Thrust fault Pzcg Chert pebble conglomerate Postulated, dotted beneath covering deposits Pzcc Chert, conglomerate, and limestone Pzc Chert and argillite Premetamorphic thrust fault Postulated; predates major regional Pzl Limestone and chert metamorphism. Dotted beneath covering deposits Pzp€a Argillite, grit, and quartzite Pzp€b Basalt and limestone AREA SOUTH OF TINTINA FAULT ZONE Da Augen gneiss Pzq Quartzite, meta-argillite and phyllite Linear feature mapped on Landsat images Pzm Phyllite, calcareous phyllite, and marble PzpCs Pelitic schist Papems Garnet-muscovite schist Pzp€d Dolomite and marble Pzp€q Quartzite and quartzitic schists (includes magnetic chlorite schist subunit (Pzp€qm) Pzp€m Mafic schist

Base from U. S Geological Survey, 1955



This report is preliminary and has not been reviewed for conformity with U. S. Geological Survey editorial standards and stratigraphic nomenclature.

PzpEgr Grit and quartzite

Pze Eclogite

Pzp Serpentinized peridotite

Ultramafic, Mafic, and Eclogitic Rocks

LINEAR FEATURES MAPPED FROM LANDSAT IMAGES, CIRCLE QUADRANGLE, ALASKA

CONFOLM INTERVAL 200 FEET